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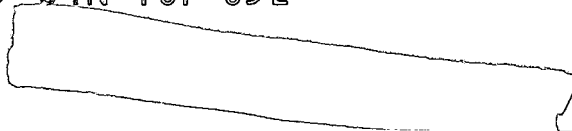
IMAGERY
ANALYSIS
DIVISION

PIR

PHOTOGRAPHIC INTELLIGENCE REPORT

MILITARY FACILITIES
PU-ERH (NING-ERH), CHINA

23 04N-101 03E



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Declass Review by NIMA/DOD

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GROUP 1
Excluded from automatic
downgrading and declassification

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MILITARY FACILITIES

PU-ERH (NING-ERH), CHINA

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PREFACE

Comparative analysis was performed on the military installations located in the environs of PU-ERH (NING-ERH), China to provide assistance in appraising the nature of any military activity and its function relative to the Chinese Communist military assistance to North Vietnam.

Further, a study of the main road system extending from PU-ERH towards the LAOS/NORTH VIETNAM BORDER AREAS was prepared to determine if these routes might be utilized to provide assistance to North Vietnam.

A summary description of each installation, excluding the driver training areas and the vehicle/equipment maintenances area, is provided followed by a chronological account of new observations. Section V is a table of vehicle/equipment identifications by location and date of observation. Section VI consists of a brief summary of the transportation network.

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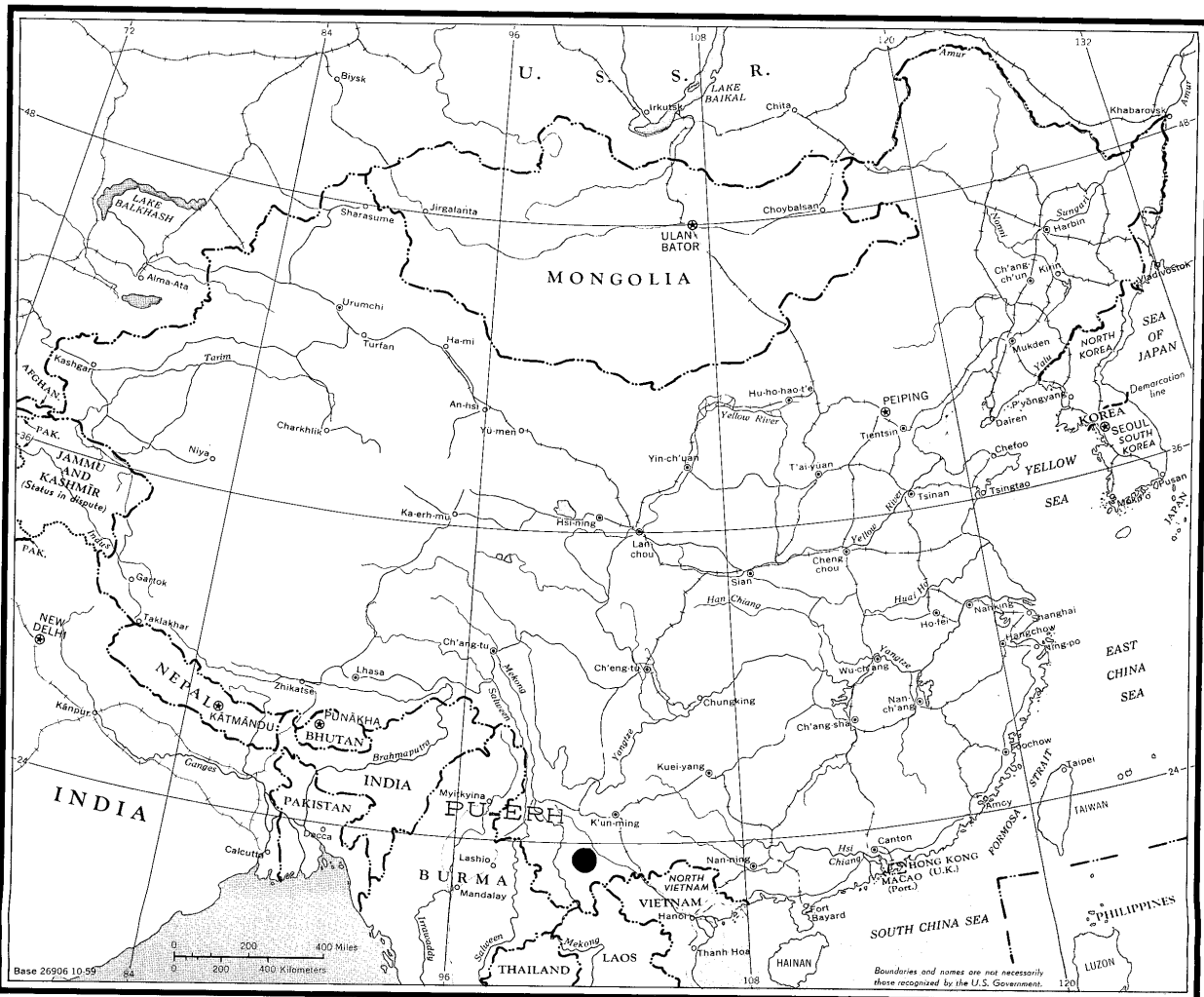


FIGURE 1a. Location of P-3 in China

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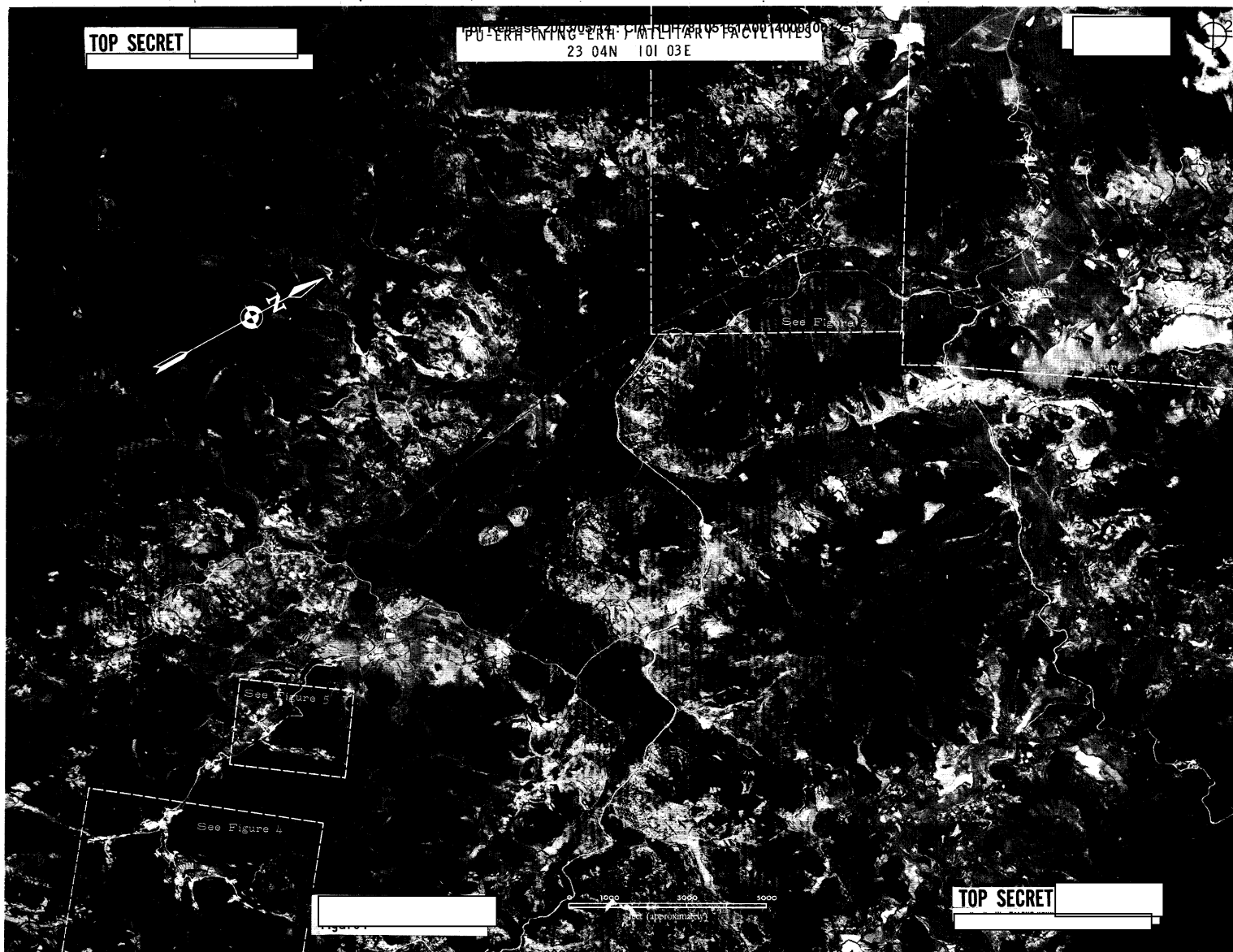
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PU-ERR (NING-ERR) MILITARY FACILITIES
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SECTION I. PU-ERH ARMY BARRACKS NORTH [] 23 04N-101 03EA. LOCATION

PU-ERH ARMY BARRACKS NORTH is located on the northern edge of PU-ERH. A probable military hospital is located 0.5 nm west (see Figure 2).

B. SUMMARY

PU-ERH ARMY BARRACKS NORTH contains one two-story administration building, one one-story administration building, one two-story auditorium/gymnasium, two officer's quarters, one "U"-shaped officer's quarters, eight barracks, four "L"-shaped barracks, four storage buildings, one monitor-roofed heavy maintenance building, one monitor-roofed maintenance building, one "M" roofed maintenance building, six vehicle/equipment sheds, nine support buildings and an athletic field. The installation is partially walled.

C. CHRONOLOGY OF EXPANSION

This installation was observed on poor coverage of [] and good coverage of [] Expansion and additions since [] are as follows:

NEW OBSERVATIONS

One "U"-shaped officer's quarters
One "U"-shaped equipment storage building
One equipment storage building
(All under construction.)

The officer's quarters are in mid-stage of construction and the equipment storage buildings are complete.

The officer's quarters are completed.

A new road is observed leading eastward from the barracks area to two storage buildings and one support building. This road was not present

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on [] coverage. The road was observed on [] coverage; however, clouds obscured the buildings.

A two-story administration building is observed under construction.

The administration building is complete and two storage buildings have been added.

D. PROBABLE MILITARY HOSPITAL AREA

This installation was observed on poor coverage of [] and good coverage of [] The installation is walled and contains one large multistory probable hospital building, one "L"-shaped barracks, one barracks, one storage building and two support buildings. Two "star" patterns are observed in the landscaped garden area. An athletic field is outside the walled area. No changes have been observed.

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PU-ERH ARMY BARRACKS NORTH

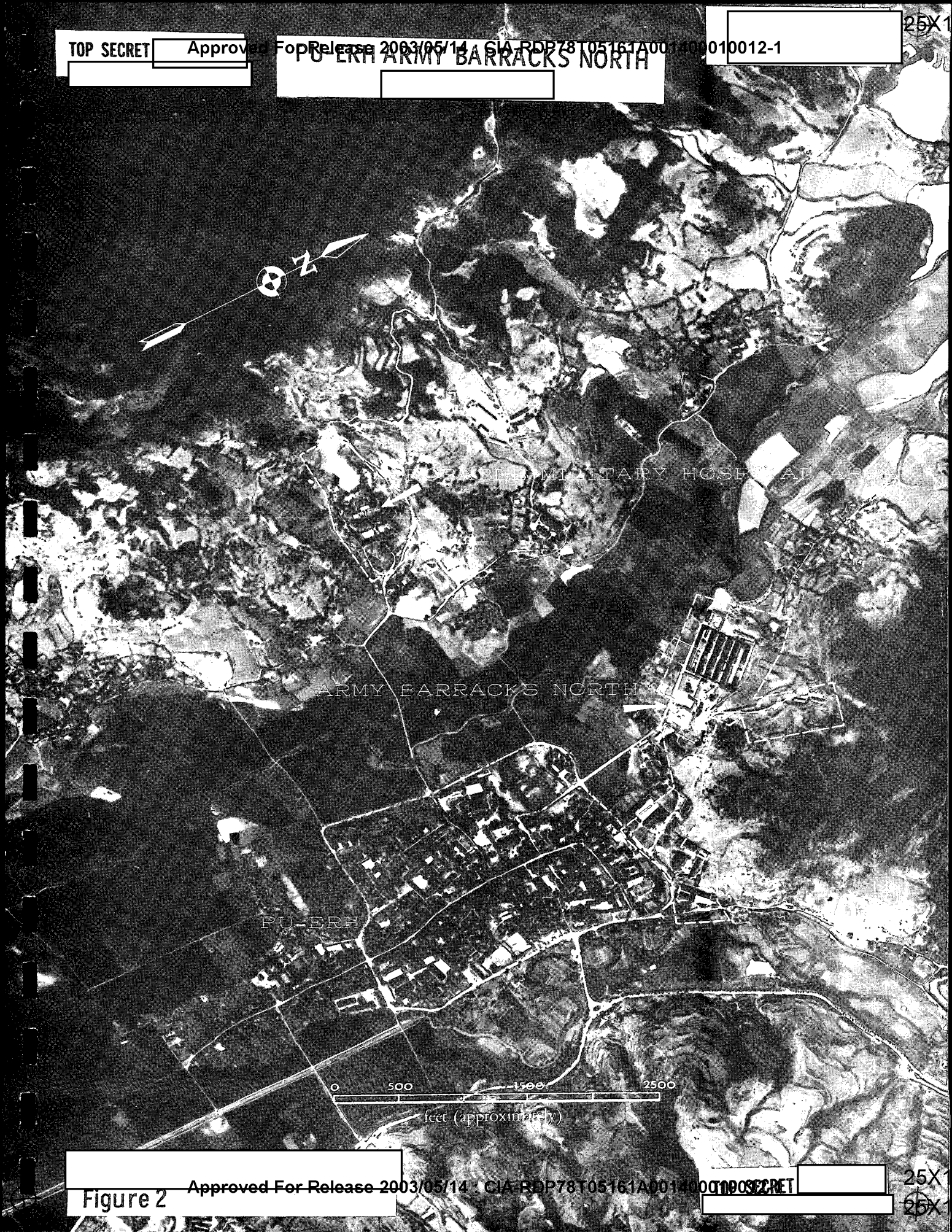


Figure 2

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SECTION II. VEHICLE/EQUIPMENT MAINTENANCE AREAS AND DRIVER TRAINING COURSESA. LOCATION

Vehicle/equipment maintenance areas were observed at 12 points scattered over a 2 nm radius east and northeast of PU-ERH and driver training courses were observed at six points, two nm north of PU-ERH (see Figure 3).

B. DRIVER TRAINING COURSES

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The first serpentine course was observed on [] coverage and the other courses were observed on later coverage. They are located along the crest and sides of a sloping hill mass which has been and is devoted to agricultural use. The design of these courses differ from military driver training courses observed in other areas. It is possible they are utilized for training of agricultural or transportation workers. Track activity was noted in the spring and fall which approximate the planting and harvesting seasons.

NEW OBSERVATIONS

Area B-1 observed.

Area B-2 observed. Track scarring is light in both areas.

Track scarring appears moderate in Area B-1.

Track scarring is light.

Area B-3 observed. Track scarring in Areas B-1 and B-2 is very light.

Track activity is very light in all three areas. Twenty-one small vehicles/pieces of equipment are observed.

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Area B-4 observed.

Areas B-5 and B-6 observed. One possible vehicle/piece of equipment is in area B-4.

C. VEHICLE/EQUIPMENT MAINTENANCE AREAS

These twelve areas were not present on [redacted] coverage. Each area is listed by order of observation.

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<u>AREA</u>	<u>DATE OF COVERAGE</u>	<u>NEW OBSERVATIONS</u>
C-1	[redacted]	One administration building Two barracks One equipment shed Two maintenance buildings Three support buildings
NOTE: No expansion has been noted in this area. The location to nearby dam, which was observed on [redacted] coverage, may indicate a relationship.		
C-2	[redacted]	Six vehicle/equipment sheds One support building
C-3		One vehicle/equipment shed The base of an "L" was added to a vehicle/equipment shed. One vehicle/equipment shed Two vehicle/equipment sheds Four maintenance buildings Three support buildings Rows of POL drums observed in open storage One vehicle/equipment shed Three support buildings

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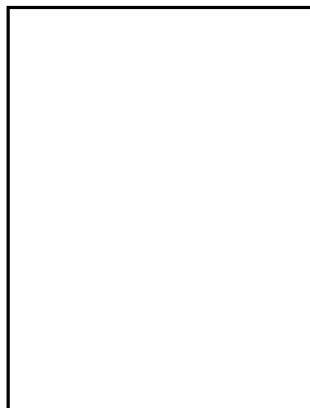
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C-4



(first observation)

Three vehicle/equipment sheds

Four vehicle/equipment sheds

Foundations for five vehicle/equipment sheds observed

Walls are being erected on four of the above sheds and roofing is being laid on the fifth.

One multistory administration building

One "U"-shaped administration building/barracks

One barracks

Three vehicle/equipment sheds (under construction)

Three support buildings

The security wall is not evident at this time.

Two vehicle/equipment sheds previously under construction are now complete. Construction continues on the third building. Two support buildings have been added and the security wall is observed on two sides.

The third shed is now complete and the security wall is on all four sides of the main installation.

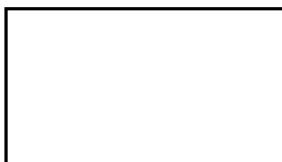
NOTE: This installation appears to be a headquarters/administration center for the various vehicle/equipment areas located nearby.

C-5



(first observation)

Two vehicle/equipment sheds



Two vehicle sheds

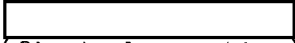
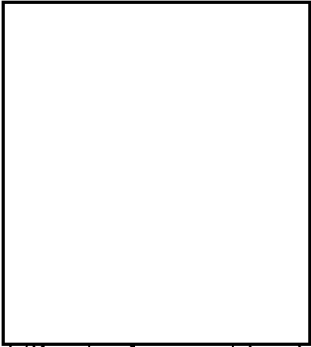


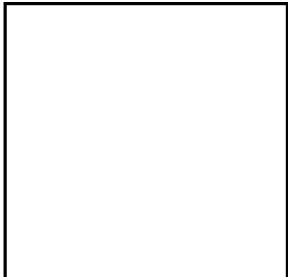
One vehicle/equipment shed
Three support buildings.

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<u>AREA</u>	<u>DATE OF COVERAGE</u>	<u>NEW OBSERVATIONS</u>
C-6	 (first observation)	Three vehicle/equipment sheds Three support buildings
		One vehicle/equipment shed One vehicle/equipment shed One storage building One support building An area of earth scars immediately east may indicate future expansion.
C-7	(first observation)	Two vehicle/equipment sheds
		One vehicle equipment shed One support building Two vehicle/equipment sheds and foundations for two others. One vehicle/equipment shed observed on  is now complete with construction continuing on the second. One vehicle/equipment shed has been added.
C-8	(first observation)	Earth scarring is observed
		Foundations for two vehicle/equipment sheds are observed. The vehicle/equipment sheds are complete and one new support building has been added. One support building

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C-9

[REDACTED]
(first observation)

Earth scarring is observed. One support building is observed. The security wall is not present at this time.

C-10

[REDACTED]
(first observation)

Two support buildings

Two vehicle/equipment sheds

Two maintenance buildings

Two support buildings

The security wall is complete.

One support building

Two vehicle/equipment sheds

Foundations for two other sheds and

a clearing for a future building

Earth scarring indicates future expansion.

C-11

[REDACTED]
(first observation)

One shed is complete, and construction continues on the second.

The second shed is complete. One vehicle/equipment shed and three barracks have been added. The foundation for a fourth barracks and clearings for four future buildings are observed.

Rows of vehicles are in an open area with three support buildings nearby.

C-12

[REDACTED]
(first observation)

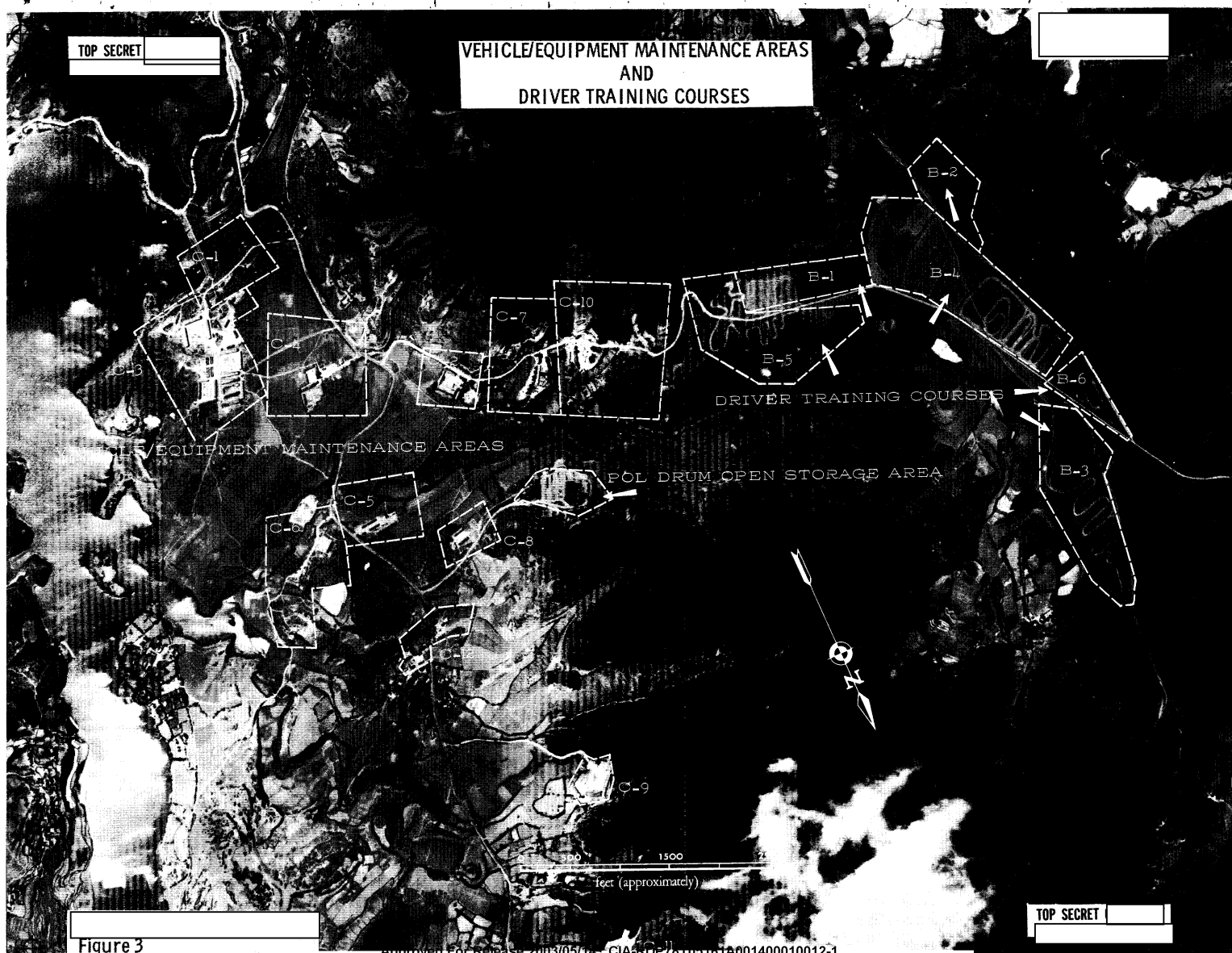
This is a small village. Rows of vehicles are observed.

D. POL DRUM OPEN STORAGE AREA

Rows of POL drums were observed in open storage on coverage

[REDACTED] The area has been continuously active.

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SECTION III. PU-ERH ARMY SUPPLY DEPOT SSE

23 00N-101 04E

A. LOCATION

PU-ERH ARMY SUPPLY DEPOT SSE is located 3.5 nm SSE of PU-ERH (see Figure 4).

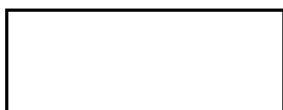
B. SUMMARY

The installation contains two administration buildings, three barracks, 27 storage buildings, 15 support buildings and one mess hall. The storage buildings are located along the valley floor between the folds of the hills. The sedimentary rock terrain has been excavated for construction, thus providing natural blast protection.

C. CHRONOLOGY OF EXPANSION


DATE OF COVERAGE

NEW OBSERVATIONS



(first observation)

Installation not present.

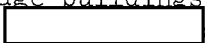
Six maintenance sheds (razed by  coverage) used for a construction base.

Four storage buildings (two under construction)

One support building.



The two storage buildings are complete. Five new storage buildings (two under construction), one support building, and an area of earth scarring for future buildings are observed.

The two storage buildings under construction on  are complete. Two barracks, one storage building, three support buildings (one under construction) and clearings for two future buildings are observed.

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The clearings observed on [] contain two storage buildings, the support building is complete, and a mess hall has been added.

Six storage buildings (one under construction) and a new roadway are observed.

Two support buildings, ground scars for a future support building and a new storage building under construction are observed.

The storage building observed under construction on [] is in mid-stage of construction.

Roofing is underway on the building under construction on []. A support building is located in the area of ground scarring observed on []. A roadway leads to two points (suspect underground entrances) along the base of the hillside and a clearing for a future support building was observed.

A new road has been constructed along which seven storage buildings are located. An "L"-shaped administration building, a support building, a barracks and a clearing for a future support building observed.

The six maintenance sheds observed on [] coverage being razed. Five new support buildings noted.

One support building and one storage building.

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SECTION IV. PU-ERH PETROLEUM PRODUCTS STORAGE UNDERGROUND
23 01N-101 04E

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A. LOCATION

PU-ERH PETROLEUM PRODUCTS STORAGE UNDERGROUND is located 2.5 nm SSE of PU-ERH (see Figure 5).

B. SUMMARY

This installation is considered to be a component of the Strategic Petroleum Reserve Storage System because of its location and method of construction, although it is only road served and smaller than other installations in this system.

The installation contains five semiburied vertical storage tanks, one group of earth-covered horizontal tanks, a second group of probable similar tanks, two earth-covered storage buildings located a short distance west of the support area, an "L"-shaped barracks/administration building, two large warehouse/drum-filling and packaging buildings, and approximately 15 support buildings. The estimated storage capacity at this site is 10,000 metric tons (approximately 2,500,000 gallons of petroleum products).

C. CHRONOLOGY OF EXPANSION

DATE OF COVERAGE

NEW OBSERVATIONS

(first observation)

Ground scarring observed at the future location of the support area.

Eight barracks/construction support buildings are completed, one large warehouse drum-filling building and one possible shop building under construction, and an excavation started for one of the tank locations.

Construction in progress on two vertical tanks and scarring is evident at the other tank locations. Both large warehouses/drum-filling buildings, the possible shop building and a barracks/administration building appear to be nearing completion.

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The installation appears to be in late stages of construction. The storage tanks are in place and all functional buildings erected.

Construction is in progress on two "underground" storage buildings across the road west of the support area. Two buildings under construction in the area of the temporary barracks/construction support buildings.

The "underground" storage buildings are complete and covered with earth. A hard surface (probably macadam) has been placed on a portion of the installation roads. Several temporary barracks/construction support buildings have been removed. All buildings previously observed under construction are now complete.

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support area

underground buildings

earth covered horizontal tanks

semiburied vertical tanks

0 500 1000
feet (approximately)

PU-ERH PETROLEUM PRODUCTS STORAGE UNDERGROUND

Figure 5

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SECTION V. VEHICLE/EQUIPMENT OBSERVED DURING [REDACTED]

<u>ARMY SUPPLY DEPOT SSE</u>	<u>ARMY BARRACKS NORTH</u>	<u>POL STORAGE UNDERGROUND</u>	<u>VEHICLE/EQUIPMENT MAINTENANCE AREAS BY AREA #</u>
2 possible vehicles	7 cargo trucks, 9 vehicles/pieces of equipment	3 vehicles	#3 8 cargo trucks #5 17 vehicles #6 18 cargo trucks, 2 possible vehicles #7 9 possible vehicles
6 cargo trucks, 1 vehicle	2 utility trucks, 6 cargo trucks 7 pieces of equipment	4 vehicles	#3 36 cargo trucks #5 6 cargo trucks #6 10 cargo trucks #7 5 cargo trucks #9 1 cargo truck, 1 vehicle
2 cargo trucks 1 vehicle	10 cargo trucks	1 cargo truck 1 utility truck	#3 40 cargo trucks #5 32 cargo trucks #6 20 cargo trucks
4 cargo trucks, 2 vehicles	16 cargo trucks	1 cargo truck 1 utility truck	#3 39 cargo trucks, 23 vehicles/pieces of equipment #5 35 cargo trucks #6 25 cargo trucks #7 14 vehicles/pieces of equipment #9 2 cargo trucks
3 cargo trucks, 2 vehicles	3 cargo trucks	1 cargo truck 1 vehicle	#3 at least 32 cargo trucks #6 4 cargo trucks #7 2 cargo trucks #9 2 possible vehicles

DATE	ARMY SUPPLY DEPOT SSE	ARMY BARRACKS NORTH	POL STORAGE UNDERGROUND	VEHICLE/EQUIPMENT MAINTENANCE AREAS BY AREA #
	6 possible vehicles	2 cargo trucks, 4 probable vehicles	2 possible vehicles	#3 51 cargo trucks #5 1 cargo truck #6 6 cargo trucks #10 1 cargo truck
	4 cargo trucks	Area is cloud covered	1 cargo truck 1 possible vehicle	#3 13 cargo trucks #5 43 cargo trucks #6 9 cargo trucks #7 21 cargo trucks #11 82 cargo trucks
	1 cargo truck 2 vehicles	3 cargo trucks 5 vehicles/ pieces of equipment	1 possible vehicle	#3 4 cargo trucks #5 29 cargo trucks, 4 vehicles/pieces of equipment #6 8 cargo trucks, 2 vehicles/pieces of equipment #11 16 cargo trucks #12 19 cargo trucks

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SECTION VI. TRANSPORTATION NETWORK

Comparative analysis between []

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[] of the road network as depicted on Appendix A reveals approximately 70 nm of new road construction. For location and approximate alignment see Appendix A.

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4. ACIC. USAF AAC, Sheet 616AIV, NUONG OU TAY, Scale 1:250,000, 2nd Edition, January 1957 (UNCLASSIFIED)

REQUIREMENT

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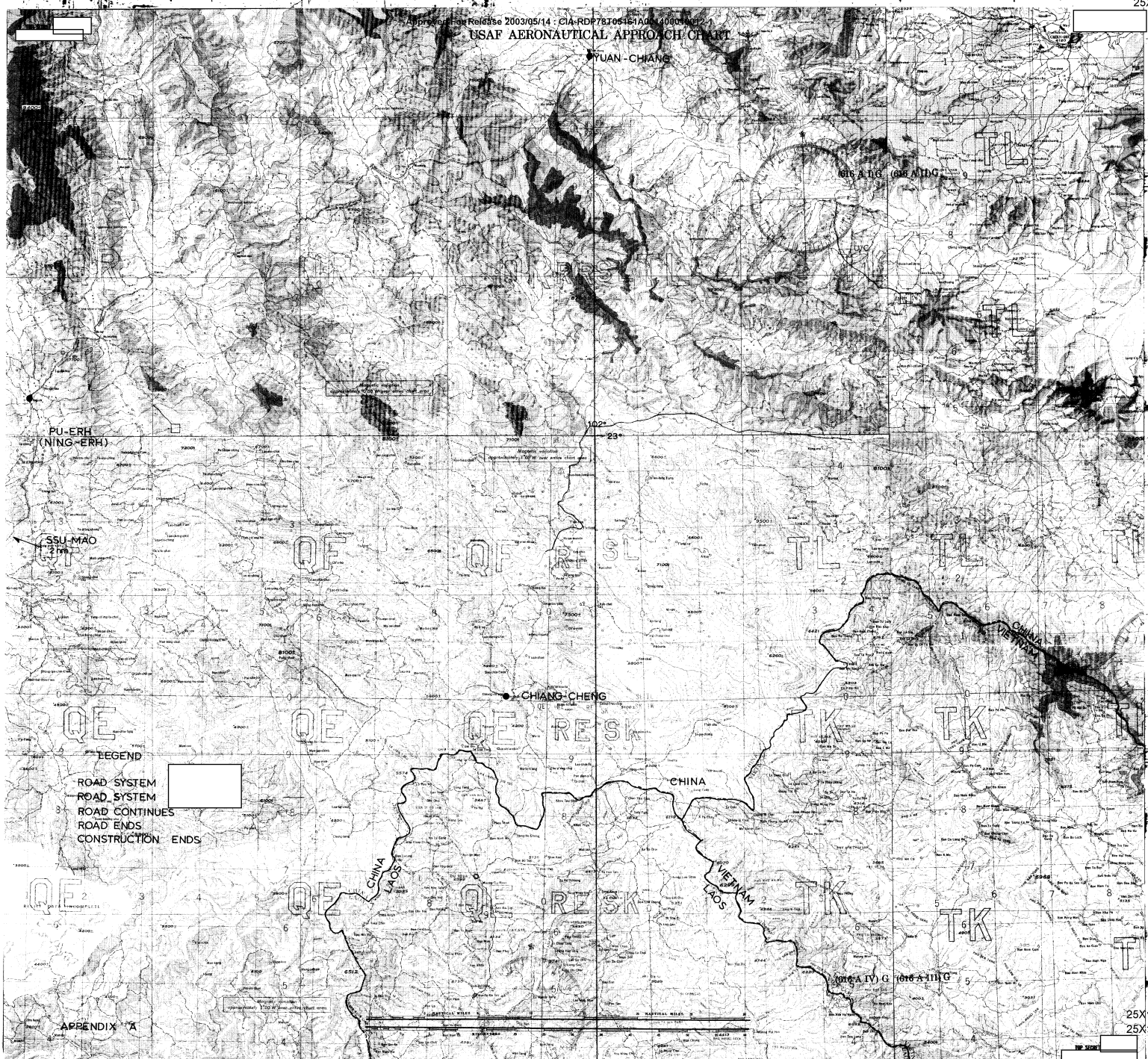
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USAF AERONAUTICAL APPROACH CHART



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